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Sequence Listing could not be accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2010; month=2; day=10; hr=18; min=0; sec=56; ms=862; ]
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<223>   The 'Xaa' at location 99 stands for Thr, or Met.

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<223>   The 'Xaa' at location 1275 stands for Ser, Leu, or Xaa.

The above <223> response describing the "Xaa" at location 1275 contains
an error:  "Xaa" cannot represent an "Xaa".  "The 'Xaa' at location 1275
stands for Ser or Leu" would be correct.
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Validated By CRFValidator v 1.0.3

Application No: 10591787   Version No: 3.0

Input Set:

Output Set:

Started: 2010-01-28 17:10:23.171
Finished: 2010-01-28 17:10:35.201
Elapsed: 0 hr(s) 0 min(s) 12 sec(s) 30 ms
Total Warnings: 5
Total Errors: 0
No. of SeqIDs Defined: 91
Actual SeqID Count: 91

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W 213	Artificial or Unknown found in <213> in SEQ ID (7)

<110>   Nagaike, Kazuhiro
        Mori, Yasuko
        Gomi, Yasuyuki
        Takahashi, Michiaki
        Kouichi, Yamanishi

<120>   Recombinant varicella-zoster virus

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acacgttttta agtactgttg gaactccctc accaaccgca aycgcaatcc tttgaaggct   180

gcgagagcgt ttggaaaact cgggtacgtc taaattcacc ccagygcg atg gat acg   237
                                                      Met Asp Thr
                                                      1

ccg ccg atg cag cgc tct aca ccc caa cgc gcg ggg tcg cct gat act   285
Pro Pro Met Gln Arg Ser Thr Pro Gln Arg Ala Gly Ser Pro Asp Thr
    5   10   15

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ttg gag tta atg gac ctg ttg gac gcg gcc gcc gcg gcc gcc gaa cac          333
Leu Glu Leu Met Asp Leu Leu Asp Ala Ala Ala Ala Ala Ala Glu His
20                  25                  30                  35


agg gcc cgg gtg gtc acc tcg agt cag cct gac gat cta cta ttt gga          381
Arg Ala Arg Val Val Thr Ser Ser Gln Pro Asp Asp Leu Leu Phe Gly
            40                  45                  50


gag aac ggg gtc atg gtg gga cgg gaa cat gag atc gtt tca att ccc          429
Glu Asn Gly Val Met Val Gly Arg Glu His Glu Ile Val Ser Ile Pro
            55                  60                  65


tcc gta tcg gga ctt caa cca gaa ccc aga acg gaa gat gtt ggc gaa          477
Ser Val Ser Gly Leu Gln Pro Glu Pro Arg Thr Glu Asp Val Gly Glu
            70                  75                  80


gag cta aca caa gac gac tac gta tgc gag gac ggt cag gat cta ayg          525
Glu Leu Thr Gln Asp Asp Tyr Val Cys Glu Asp Gly Gln Asp Leu Xaa
        85                  90                  95


ggc tcg cct gta atc ccg ctg gcc gag gtc ttc cac acc cga ttc tcg          573
Gly Ser Pro Val Ile Pro Leu Ala Glu Val Phe His Thr Arg Phe Ser
100                 105                 110                 115


gag gcc ggc gcg cga gaa cca aca gga gcc gat cgc tcc ctc gag aca          621
Glu Ala Gly Ala Arg Glu Pro Thr Gly Ala Asp Arg Ser Leu Glu Thr
                120                 125                 130


gtc tct ctc gga acg aag ctt gct agg tct cca aaa cca ccg atg aac          669
Val Ser Leu Gly Thr Lys Leu Ala Arg Ser Pro Lys Pro Pro Met Asn
                135                 140                 145


gat ggg gaa acg ggc aga ggt acg acc cct ccg ttc ccg cag gcc ttc          717
Asp Gly Glu Thr Gly Arg Gly Thr Thr Pro Pro Phe Pro Gln Ala Phe
            150                 155                 160


tcc cct gta tcc ccc gcg tct cct gtt gga gac gcc gcc ggg aac gat          765
Ser Pro Val Ser Pro Ala Ser Pro Val Gly Asp Ala Ala Gly Asn Asp
        165                 170                 175


caa cgg gaa gac cag cgg tct ata ccc cga caa acg acg aga gga aat          813
Gln Arg Glu Asp Gln Arg Ser Ile Pro Arg Gln Thr Thr Arg Gly Asn
180                 185                 190                 195


tca cca ggt ttg ccg tcg gtg gtc cat cga gac aga caa act cag tcc          861
Ser Pro Gly Leu Pro Ser Val Val His Arg Asp Arg Gln Thr Gln Ser
                200                 205                 210


atc tcg ggt aaa aag ccg ggc gat gag caa gcg ggt cat gcg cat gca          909
Ile Ser Gly Lys Lys Pro Gly Asp Glu Gln Ala Gly His Ala His Ala
                215                 220                 225


tcg ggg gac gga gta gtt ctc cag aaa act caa cgg ccc gct cag gga          957
Ser Gly Asp Gly Val Val Leu Gln Lys Thr Gln Arg Pro Ala Gln Gly
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aag agc ccg aag aaa aag act ttg aag gtt aag gtc cca ctc ccg gcg      1005
Lys Ser Pro Lys Lys Lys Thr Leu Lys Val Lys Val Pro Leu Pro Ala
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cgg aaa ccc ggt gga cct gta ccc ggc ccg gtt gag caa ttg tac cac      1053
Arg Lys Pro Gly Gly Pro Val Pro Gly Pro Val Glu Gln Leu Tyr His
260             265             270             275

gtc ctt tcg gac agc gtt ccc gct aag ggg gca aag gcg gac ctg ccg      1101
Val Leu Ser Asp Ser Val Pro Ala Lys Gly Ala Lys Ala Asp Leu Pro
            280             285             290

ttt gag acc gat gat acc cgc cca agg aaa cat gat gcc cgg ggt ata      1149
Phe Glu Thr Asp Asp Thr Arg Pro Arg Lys His Asp Ala Arg Gly Ile
        295             300             305

aca cct cgc gtc cct gga cgt tcg tcg ggg ggc aaa cct aga gcg ttt      1197
Thr Pro Arg Val Pro Gly Arg Ser Ser Gly Gly Lys Pro Arg Ala Phe
        310             315             320

ttg gcc ctg ccg gga aga tcc cac gca cca gac ccg att gag gat gac      1245
Leu Ala Leu Pro Gly Arg Ser His Ala Pro Asp Pro Ile Glu Asp Asp
    325             330             335

agc ccg gtg gag aaa aag cca aag agt cgt gag ttt gtt tcg tct tca      1293
Ser Pro Val Glu Lys Lys Pro Lys Ser Arg Glu Phe Val Ser Ser Ser
340             345             350             355

tcc tct tcc tcg tcg tgg gga tcg tca tcg gag gat gaa gac gat gaa      1341
Ser Ser Ser Ser Ser Trp Gly Ser Ser Ser Glu Asp Glu Asp Asp Glu
            360             365             370

ccc cgg cgc gtt tcg gtg gga agt gaa act aca ggc agc agg tcc gga      1389
Pro Arg Arg Val Ser Val Gly Ser Glu Thr Thr Gly Ser Arg Ser Gly
            375             380             385

cgc gaa cac gcc cct tcc ccg tca aat tcg gat gat tcg gac tca aat      1437
Arg Glu His Ala Pro Ser Pro Ser Asn Ser Asp Asp Ser Asp Ser Asn
        390             395             400

gat ggt ggg tcg acg aaa caa aat atc caa ccg gga tat cga tcc atc      1485
Asp Gly Gly Ser Thr Lys Gln Asn Ile Gln Pro Gly Tyr Arg Ser Ile
    405             410             415

agc ggt ccc gat ccg agg att cgt aag acc aaa cgt ctt gcg ggg gaa      1533
Ser Gly Pro Asp Pro Arg Ile Arg Lys Thr Lys Arg Leu Ala Gly Glu
420             425             430             435

ccg ggg cgc cag aga cag aaa tca ttt tcc ctg ccg cga tcc aga acc      1581
Pro Gly Arg Gln Arg Gln Lys Ser Phe Ser Leu Pro Arg Ser Arg Thr
            440             445             450

ccg ata att ccc ccg gtg tcg ggg ccg ctc atg atg ccc gac gga agc      1629
Pro Ile Ile Pro Pro Val Ser Gly Pro Leu Met Met Pro Asp Gly Ser
            455             460             465

cct tgg ccc gga tcg gcg ccc ctc cca tcc aac agg gtg cgg ttt gga      1677
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Pro Trp Pro Gly Ser Ala Pro Leu Pro Ser Asn Arg Val Arg Phe Gly
        470                 475                 480

ccg tcc ggg gag acc aga gag ggt cac tgg gag gat gag gct gtg aga    1725
Pro Ser Gly Glu Thr Arg Glu Gly His Trp Glu Asp Glu Ala Val Arg
        485                 490                 495

gcg gcg cgg gct cgt tac gag gcc tca act gaa ccc gyg ccg ctt tac    1773
Ala Ala Arg Ala Arg Tyr Glu Ala Ser Thr Glu Pro Xaa Pro Leu Tyr
500                 505                 510                 515

gtg ccg gag ttg gga gat ccg gct aga cag tac cgc gcg ctg att aac    1821
Val Pro Glu Leu Gly Asp Pro Ala Arg Gln Tyr Arg Ala Leu Ile Asn
                520                 525                 530

ctg atc tac tgt cca gac aga gac cct ata gca tgg ctc cag aac ccc    1869
Leu Ile Tyr Cys Pro Asp Arg Asp Pro Ile Ala Trp Leu Gln Asn Pro
                535                 540                 545

aag ctg acc ggt gtc aac tcg gcc ctg aac cag ttc tac caa aag ctg    1917
Lys Leu Thr Gly Val Asn Ser Ala Leu Asn Gln Phe Tyr Gln Lys Leu
        550                 555                 560

ttg cca ccg gga cgg gcg ggt acc gcc gtt acg ggg agc gta gcg tct    1965
Leu Pro Pro Gly Arg Ala Gly Thr Ala Val Thr Gly Ser Val Ala Ser
        565                 570                 575

ccc gtt ccg cat gta ggc gaa gcc atg gcc acg ggg gag gcc ctc tgg    2013
Pro Val Pro His Val Gly Glu Ala Met Ala Thr Gly Glu Ala Leu Trp
580                 585                 590                 595

gct ctc ccc cac gcg gcc gcg gcc gtg gct atg agc cgt cgg tac gac    2061
Ala Leu Pro His Ala Ala Ala Ala Val Ala Met Ser Arg Arg Tyr Asp
                600                 605                 610

cgg gcc caa aaa cac ttt atc cta cag agt ctc cgc aga gcc ttt gcc    2109
Arg Ala Gln Lys His Phe Ile Leu Gln Ser Leu Arg Arg Ala Phe Ala
                615                 620                 625

ggc atg gca tac ccc gag gca acg ggc tcc agt ccg gcg gcg cgg atc    2157
Gly Met Ala Tyr Pro Glu Ala Thr Gly Ser Ser Pro Ala Ala Arg Ile
        630                 635                 640

tcc cgc ggt cac cct tct cca aca acc ccg gcc aca cag act ccc gac    2205
Ser Arg Gly His Pro Ser Pro Thr Thr Pro Ala Thr Gln Thr Pro Asp
        645                 650                 655

cct cag ccg tcg gcc gcc gcg cgc tct ctt tct gtg tgt cca ccg gat    2253
Pro Gln Pro Ser Ala Ala Ala Arg Ser Leu Ser Val Cys Pro Pro Asp
660                 665                 670                 675

gat cgt tta cga act ccg cgc aag cgc aag tcc cag cca gtc gag agc    2301
Asp Arg Leu Arg Thr Pro Arg Lys Arg Lys Ser Gln Pro Val Glu Ser
                680                 685                 690

aga agc ctc ctc gac aag att agg gag aca ccc gtc gcg gac gcc cgg    2349
Arg Ser Leu Leu Asp Lys Ile Arg Glu Thr Pro Val Ala Asp Ala Arg
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gtt gca gac gat cat gtg gtt tcc aag gcc aag agg cgg gta tcc gag   2397
Val Ala Asp Asp His Val Val Ser Lys Ala Lys Arg Arg Val Ser Glu
        710   715   720

ccc gtg acc atc acc tcg ggc cct gtg gtg gat ccc ccc gcc gta ata   2445
Pro Val Thr Ile Thr Ser Gly Pro Val Val Asp Pro Pro Ala Val Ile
        725   730   735

acg atg cca ctt gac gga ccg gcc cca aac ggg gga ttt cgg cgt att   2493
Thr Met Pro Leu Asp Gly Pro Ala Pro Asn Gly Gly Phe Arg Arg Ile
740   745   750   755

ccc cgg ggg gcc ctg cat acc ccg gtc ccg tcg gac cag gct cgc aag   2541
Pro Arg Gly Ala Leu His Thr Pro Val Pro Ser Asp Gln Ala Arg Lys
                760   765   770

gcg tac tgt acc ccc gaa acc atc gcc cgt ctg gtc gac gac cca ttg   2589
Ala Tyr Cys Thr Pro Glu Thr Ile Ala Arg Leu Val Asp Asp Pro Leu
        775   780   785

ttt ccc acg gcc tgg cgc cct gcg cta agc ttt gat ccc ggc gcc ttg   2637
Phe Pro Thr Ala Trp Arg Pro Ala Leu Ser Phe Asp Pro Gly Ala Leu
        790   795   800

gcg gaa atc gcc gct cgg cgt ccg ggc gga gga gac cga cgg ttt ggt   2685
Ala Glu Ile Ala Ala Arg Arg Pro Gly Gly Gly Asp Arg Arg Phe Gly
        805   810   815

cca ccc agc gga gtg gag gcg ctg cga cgg agg tgc gcc tgg atg cgg   2733
Pro Pro Ser Gly Val Glu Ala Leu Arg Arg Arg Cys Ala Trp Met Arg
820   825   830   835

cag atc cca gac ccg gag gat gtg agg ctt ctg atc atc tac gat ccg   2781
Gln Ile Pro Asp Pro Glu Asp Val Arg Leu Leu Ile Ile Tyr Asp Pro
                840   845   850

ttg ccc gga gag gac atc aac ggc ccc ctc gag agc acc ctc gcg aca   2829
Leu Pro Gly Glu Asp Ile Asn Gly Pro Leu Glu Ser Thr Leu Ala Thr
                855   860   865

gat ccg gga ccg tca tgg agt cca tcc cga ggg gga ctg tct gtg gtc   2877
Asp Pro Gly Pro Ser Trp Ser Pro Ser Arg Gly Gly Leu Ser Val Val
        870   875   880

ctg gca gcc ctg agt aac cgg ttg tgc ctg ccg agc act cat gcc tgg   2925
Leu Ala Ala Leu Ser Asn Arg Leu Cys Leu Pro Ser Thr His Ala Trp
        885   890   895

gcc ggg aac tgg acc ggc ccg ccg gac gtg tcc gct ttg aac gcc cgg   2973
Ala Gly Asn Trp Thr Gly Pro Pro Asp Val Ser Ala Leu Asn Ala Arg
900   905   910   915

ggc gtt tta tta ctg tcg acc cga gac ctg gcc ttt gcc ggg gcc gtc   3021
Gly Val Leu Leu Leu Ser Thr Arg Asp Leu Ala Phe Ala Gly Ala Val
                920   925   930

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gag tat cta ggc tcg cgg ttg gcc tct gcc cgg cgc cgg ttg ctg gtg        3069
Glu Tyr Leu Gly Ser Arg Leu Ala Ser Ala Arg Arg Arg Leu Leu Val
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ttg gac gcg gtg gcc ctc gag agg tgg ccc ggg gat gga ccc gct ttg        3117
Leu Asp Ala Val Ala Leu Glu Arg Trp Pro Gly Asp Gly Pro Ala Leu
        950                 955                 960

tct cag tat cac gtg tac gtc cgg gcc ccg gcg cga ccg gac gcc cag        3165
Ser Gln Tyr His Val Tyr Val Arg Ala Pro Ala Arg Pro Asp Ala Gln
    965                 970                 975

gcc gtc gtc cga tgg cca gac tcg gcg gtc aca gaa gga ctc gcc cgg        3213
Ala Val Val Arg Trp Pro Asp Ser Ala Val Thr Glu Gly Leu Ala Arg
980                 985                 990                 995

gcc gtg ttt gca tcg  tcg cgc acc ttt ggg  cca gcg agt ttt gct         3258
Ala Val Phe Ala Ser  Ser Arg Thr Phe Gly  Pro Ala Ser Phe Ala
            1000                1005                1010

cgt atc gag act gcg  ttt gcc aac ctg tac  ccg ggc gaa caa ccc         3303
Arg Ile Glu Thr Ala  Phe Ala Asn Leu Tyr  Pro Gly Glu Gln Pro
            1015                1020                1025

ctg tgt ttg tgc cgc  ggt ggg aac gtc gca  tac acc gtg tgt acc         3348
Leu Cys Leu Cys Arg  Gly Gly Asn Val Ala  Tyr Thr Val Cys Thr
            1030                1035                1040

cgc gcg ggc ccc aag  acc cgc gtc ccc ctg  tcg ccc cgt gaa tac         3393
Arg Ala Gly Pro Lys  Thr Arg Val Pro Leu  Ser Pro Arg Glu Tyr
            1045                1050                1055

cgg cag tac gtg ctg  ccg ggt ttt gac ggt  tgc aag gac ctc gcg         3438
Arg Gln Tyr Val Leu  Pro Gly Phe Asp Gly  Cys Lys Asp Leu Ala
            1060                1065                1070

cga cag tct cgg ggt  ctg ggg ctc ggg gca  gcc gac ttt gtg gac         3483
Arg Gln Ser Arg Gly  Leu Gly Leu Gly Ala  Ala Asp Phe Val Asp
            1075                1080                1085

gag gcg gca cat agc  cac cgc gca gca aac  cga tgg ggc ctg ggt         3528
Glu Ala Ala His Ser  His Arg Ala Ala Asn  Arg Trp Gly Leu Gly
            1090                1095                1100

gcc gcg ctt cga ccc  gtc ttc ctt ccc gag  gga cgg aga ccg ggg         3573
Ala Ala Leu Arg Pro  Val Phe Leu Pro Glu  Gly Arg Arg Pro Gly
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gcc gcc ggg ccg gag  gcc ggc gac gta ccc  acc tgg gcg agg gtg         3618
Ala Ala Gly Pro Glu  Ala Gly Asp Val Pro  Thr Trp Ala Arg Val
            1120                1125                1130

ttt tgc cgc cac gcc  ctg ctg gaa ccc gac  cct gcc gcg gaa cca         3663
Phe Cys Arg His Ala  Leu Leu Glu Pro Asp  Pro Ala Ala Glu Pro
            1135                1140                1145
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ctc gtg ctt cca ccc  gtg gcc ggt cgg tcg  gtg gcg ctg tat gcg           3708
Leu Val Leu Pro Pro  Val Ala Gly Arg Ser  Val Ala Leu Tyr Ala
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tcg gcg gac gag gct  cgg aat gcc ctc ccc  ccg att ccc aga gta           3753
Ser Ala Asp Glu Ala  Arg Asn Ala Leu Pro  Pro Ile Pro Arg Val
            1165              1170                      1175


atg tgg ccg ccc ggt  ttt ggg gcc gcg gag  acg gtg ttg gag ggg           3798
Met Trp Pro Pro Gly  Phe Gly Ala Ala Glu  Thr Val Leu Glu Gly
            1180              1185                      1190


agc gac gga aca cgg  ttc gcg ttc gga cac  cac ggg ggc tcg gaa           3843
Ser Asp Gly Thr Arg  Phe Ala Phe Gly His  His Gly Gly Ser Glu
            1195              1200                      1205


cgg ccg gca gaa acc  cag gcg ggg cga cag  cgg cgc acc gca gac           3888
Arg Pro Ala Glu Thr  Gln Ala Gly Arg Gln  Arg Arg Thr Ala Asp
            1210              1215                      1220


gac aga gaa cac gct  ttg gag ccg gac gat  tgg gag gtg ggg tgt           3933
Asp Arg Glu His Ala  Leu Glu Pro Asp Asp  Trp Glu Val Gly Cys
            1225              1230                      1235


gaa gac gcg tgg gac  agc gag gag ggg ggc  ggg gac gac ggg gac           3978
Glu Asp Ala Trp Asp  Ser Glu Glu Gly Gly  Gly Asp Asp Gly Asp
            1240              1245                      1250


gca ccg ggg tca tcc  ttt ggg gtg agc gtc  gtg tcg gtg gcc ccg           4023
Ala Pro Gly Ser Ser  Phe Gly Val Ser Val  Val Ser Val Al
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